

PROCEEDINGS OF THE
ROYAL ENTOMOLOGICAL SOCIETY
OF LONDON

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GENERAL MEETING

WEDNESDAY, 5TH MARCH, 1947, at 5.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the General Meeting held on 5th February, 1947.
2. Recommendations of candidates for Fellowship.
3. Announcement of election of new Fellows.
4. Additions to the Library.

Presented.

Waloff, Z. : Seasonal breeding and migrations of the desert locust (*Schistocerca gregaria* Forskal) in Eastern Africa. 4to. London. 1946.

[*Anti-Locust Memoir* No. 1].

[Anti-Locust Research Centre].

Wood, W. : *Catalogue of an extensive and valuable collection of the best works on natural history, arranged in classes according to the Linnean system.* 8vo. London. 1832.

[Col. F. A. Labouchere.]

In addition, separates have been presented by the American Entomological Society, the United States Department of Agriculture, Captain R. A. Jackson, R.N., Professor P. A. Buxton, C.M.G., F.R.S., and Lt.-Col. F. C. Fraser.

5. Admission of Fellows.

6. Communications.

(1) **Dr. H. E. Hinton**

The gills of some aquatic beetle pupae

[Abstract].

The pupae of many Trichoptera and some aquatic Diptera Orthorrhapha have gills, but such structures have not been observed until now in any beetle pupae. Pupae of the genus *Psephenoides* (PSEPHENIDAE) have recently been found to have spiracular or cuticular gills of a kind not previously described. *Psephenoides* pupae are fixed to stones in torrential streams. The structure of their gills suggests that these organs are capable of functioning if the level of the stream falls sufficiently to expose the pupae above the water. This hypothesis is supported by the fact that the filter chamber of the spiracle is very finely and densely set with cuticular processes, and is, in relation to the size of the pupa, longer than that described for any other insect.

The larvae of the PSEPHENIDAE are also of some interest in that they possess the two principal kinds of respiratory gills found in beetle larvae, abdominal tracheal gills and retractile anal tracheal gills.

(2) Communications and exhibits the titles of which have been received since the circulation of these agenda.

Fellows are particularly requested to bring suitable exhibits to the General Meetings even though it may not be possible to announce their intention to do so before the meeting.

If circumstances permit tea will be served in the Library before the meeting.

NOTICES

A card index of Fellows' addresses arranged on a geographical basis is now available for the use of Fellows in the Society's Rooms. Addresses in Great Britain are grouped under counties; elsewhere under Dominions, Colonies, Foreign States, etc.

In order to enable Fellows of the Society to meet informally after General Meetings the formation of a **Dining Club** has been suggested. Fellows of the Society who are interested in this proposal are invited to inform the Secretary as soon as possible.

ADMISSION OF FELLOWS

Any Fellow who has not been formally admitted to the Society under Chapter XIV, Section 4 of the Bye-Laws and attends the meeting on 5th March, 1947, is requested to inform the Secretary before 5.15 p.m. on that date.

PROCEEDINGS OF THE GENERAL MEETING HELD ON 5TH FEBRUARY, 1947.

Dr. C. B. Williams, M.A., President, in the Chair.

Présent, 64 Fellows and 10 Visitors.

The President announced that he had nominated Prof. G. D. Hale Carpenter, M.B.E., D.M., Mr. G. Fox Wilson and Miss C. E. Longfield as Vice-Presidents for the coming year.

The minutes of the Annual Meeting on 15th January, 1947, were confirmed, and signed by the President.

The names of the following candidates for election were read: For the first time: J. V. Banner, M.R.C.S., L.R.C.P., M. H. Breese, R. S. Crass, A. J. P. Goodchild, B.Sc., J. Hobart, B.Sc., C. D. L. Wharry and J. R. Williams, B.Sc.

For the second time: R. P. Chaudhuri, B.Sc., P. A. Glick, Captain J. C. S. Marsh, R.A., H. H. J. Nesbitt, M.A., Ph.D., and J. Thorpe.

The Secretary read the names of the following newly elected Fellows of the Society: P. A. D. Lanktree, 3, Sidney Place, London, S.W.7; G. Morcos, The Imperial College of Science (Entomology Dept.), South Kensington, London, S.W.7; L. R. Natvig, The Zoological Museum of the University, Trondhjemsven 23, Oslo 45, Norway; A. H. Parker, B.Sc., Zoology Department, The University, Glasgow W.2.

Thanks were voted to donors of gifts to the Library since the last meeting.

Mr. D. Vesey-FitzGerald and Mr. G. Morcos signed the Obligation Book and were admitted Fellows of the Society.

The following paper was read in title: "A natural classification of Leaf hoppers (JASSIDAE), Part 3." By J. W. Evans.

Communications were made by Dr. W. H. Thorpe and Miss Vere Temple, abstracts of which appeared on p. 2.

In the discussion which followed Dr. Thorpe's communication, Captain J. A. Stephens referred to various agricultural practices, such as deep ploughing, in the East Kent neighbourhood which, in his experience, helped to keep the ground free of wireworms. He also thought that certain plants were repellent, but Dr. Thorpe and Dr. A. C. Evans were very doubtful on this point. Dr. Thorpe, in replying to Mr. G. J. Kerrich, agreed that wireworms were very much affected by humidity and bright light.

With reference to Miss Temple's communication, Dr. Richards said the attraction of Figwort for species of VESPIDAE was known, but he knew of no previous record of the attraction being quite so marked.

In addition, Professor Carpenter exhibited two sketches of gynandromorphic butterflies from East Africa.

The Secretary, on behalf of Mr. A. Diakonoff, read a communication on a caterpillar inhabiting the pitchers of *Nepenthes*, a fuller account of which will appear in *Proceedings Series A*.

Dr. Williams called attention to the presence at the meeting of two distinguished entomologists from abroad, Dr. J. van der Vecht, an economic entomologist from Java, and Dr. Peris of the Madrid Natural History Museum, now working on Diptera in the British Museum.

N. D. RILEY, *Honorary Secretary*.

The next meeting will be held on Wednesday, 19th March, at 5.30 p.m.

NOTICES

In addition to the *Transactions* and *Proceedings* (Series A, B, and C), the following publications are available on application at the Society's rooms :—

THE GENERIC NAMES OF BRITISH INSECTS, prepared by the Committee on Generic Nomenclature of the Royal Entomological Society of London, with the assistance of the Department of Entomology of the British Museum (Natural History) :

- Part 1. Recommendations relating to the publication of
the committee's reports price 6*d*.
- Part 2. The generic names of the British Rhopalocera with
a check list of the species price 3*s*. 6*d*.
- Part 3. The generic names of the British Odonata with a
check list of the species price 3*s*. 6*d*.
- Part 4. The generic names of the British Neuroptera, with
a check list of the British species price 3*s*. 6*d*.
- Part 5. The generic names of the British Hymenoptera
Aculeata, with a check list of the British species price 15*s*. 0*d*.
- Part 6. The generic names of the British CARABIDAE, with
a check list of the British species price 10*s*. 0*d*.
- Part 7. The generic names of the British Hydradephaga,
with a check list of the British species price 5*s*. 0*d*.
- Part 8. The generic names of the British Hemiptera-
Heteroptera, with a check list of the British
species price 39*s*. 0*d*.

STYLOPS, a Journal of Taxonomic Entomology.

1932-1935. Vols. 1-4 (all issued). Price £1 16*s*. 0*d*. each ; to Fellows,
£1 7*s*. 0*d*.

ABSTRACT OF PROCEEDINGS OF THE ROYAL ENTOMOLOGICAL SOCIETY OF
LONDON. 1935. Nos. 1-6 (all issued). 3*s*. 0*d*.

HUBNER : A BIBLIOGRAPHICAL AND SYSTEMATIC ACCOUNT OF THE ENTOMOLOGICAL
WORKS OF JACOB HUBNER AND THE SUPPLEMENTS THERETO. In 2
vols. By Francis Hemming.

Price Vol. 1. 605 pp. £1 15*s*. 0*d*.

,, Vol. 2. 275 pp. 15*s*. 0*d*.

Published by THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON *and sold*
at its rooms, 41, Queen's Gate, S.W.7, price 6d.